



401442

# PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets for the narrative.

**Checklist Preparer:** Matthew Justice August 2, 2006  
 (Name/Title) (Date)  
401 E. Fifth Street, Dayton OH 45402 (937) 285-6040  
 (Address) (Phone)  
Matt.justice@epa.state.oh.us  
 (E-Mail Address)

**Site Name:** Certified Metals Manufacturing Company

**Previous Names (if any):** Certified Metals Supply

**Site Location:** 1940 River Road  
 (Street)

Cincinnati  
 (City)

Hamilton  
 (County)

OH  
 (ST)

45204-1366  
 (Zip)

Number 1  
 (Congressional District)

**Latitude:** 39° 6' 7.76" N

**Longitude:** 84° 33' 1.62" W

With regards to the Latitude and Longitude, please provide the following information: Accuracy in Meters +/-, Collection Method, Reference Datum, Reference Point, Source Map Scale, Point/Line/Area; Collection Date; Verification Method (see attached):

Projection: NAD 1983 State Plan, Ohio South

Complete the following checklist. If "yes" is marked, please explain below.

	YES	NO
1. Does the site already appear in CERCLIS?	<input type="checkbox"/>	X
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	X
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	X
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	X
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	X
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	X
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	X
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	<input type="checkbox"/>	X
9. Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	<input type="checkbox"/>	X
10. Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or	<input type="checkbox"/>	X

immediately adjacent to the site or nearby (within 1 mile)?		
11. Are there no releases or potential to release?	X	<input type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets or refer to narrative:

**Site Determination:**      ☐      Enter the site into CERCLIS. Further assessment is recommended (explain below).  
    X      The site is not recommended for placement into CERCLIS (explain below).

**DECISION/DISCUSSION/RATIONALE:**

No risk from any of the eight RCRA metals sampled is associated with the site. No risk is associated with water ingestion or vapor inhalation due to the absence of a migration pathway. No exposure potential from soil ingestion or soil direct contact exposure is present due to the small target population and the inability of the target population to access on-property soil due to the presence of a well maintained fence.

**EPA Regional Review and Site Assessment Decision**

**Check the box(es) that apply:**

- X      **Not a Valid Site or Incident**  
☐      **Incident for Further Action Under CERCLA**

**Recommended Further Action:**

- ☐      **APA**  
☐      **Full PA**  
☐      **Combined PA/SI**  
☐      **SI**

**Defer/Refer to:**

- ☐      **Removal Program**  
☐      **State/Tribal Program**  
☐      **RCRA**  
☐      **Brownfields**  
☐      **Other:** \_\_\_\_\_

note made in CERCLIS  
of the 9/23/03 PCS-ed

**Regional EPA Reviewer:**

Erica Islas *Erica Islas*  
Print Name/Signature

*August 25, 2006*  
Date

**State Agency/Tribe:**

*Matthew Justice*  
Print Name/Signature

*August 2, 2006*  
Date

Ohio Environmental Protection Agency

Division of Emergency and Remedial Response

Pre-CERCLIS Screening  
Assessment Checklist Decision Form and Report

for

Certified Metals Manufacturing Company  
1940 River Road  
Cincinnati, Ohio

Prepared by: Matthew Justice  
Matthew Justice, Site Coordinator  
Ohio EPA, DERR/SWDO

Date: August 2, 2006

Reviewed by: Randy Waterworth  
Randy Waterworth, Sr. Site Coordinator  
Ohio EPA, DERR/SWDO

Date: August 3, 2006

Approved by: Erica Islas  
Erica Islas, Early Action Manager  
U.S. EPA, Region 5

Date: August 25, 2006

### **Introduction**

The American Public Health Journal printed a report by William P. Eckel (spring, 2001) on the use of historical methods for identifying previously unrecognized, former lead smelting properties. Eckel conjectured such properties have potential for elevated lead in surface soil, and therefore may pose associated environmental risk. His study, brought to the attention of U.S. EPA, identified several hundred former lead smelting facilities in 35 states. Seventeen of these sites are located in Ohio. One of these, the former Certified Metals Manufacturing Company located at 1940 River Road in Cincinnati, was among the sites identified. Therefore U.S. EPA, Region 5, requested Ohio EPA conduct a pre-CERCLIS screening to evaluate the site's potential for lead associated environmental risk.

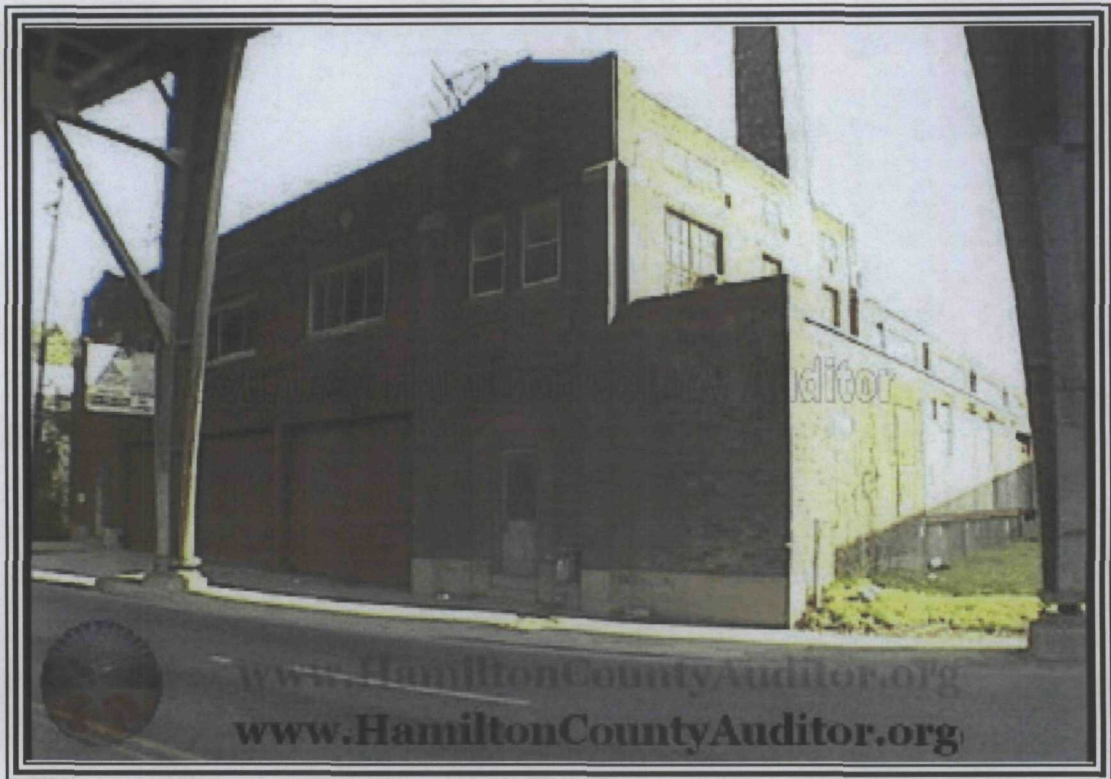
### **Location**

The former Certified Metals Manufacturing Company at 1940 River Road, is located approximately 1,000 feet north of the Ohio River, in a commercial and industrial setting along the Mill Creek valley of Cincinnati, Ohio. According to the Hamilton County Auditor, the property is identified as Parcel150-0008-0018-00, with a listed area of 0.550 acres. The property location is identified in Figure 1.

### **History of Land Use**

According to the Sandborn Insurance maps on file at the Public Library of Cincinnati and Hamilton County, the property at 1940 River Road was established in 1956, and operated under the name "Certified Materials Supply." In 1958 the property is indicated operating at the same location under the new name, "Certified Metals Manufacturing Corporation".

The report titled, The Secondary Smelting Industry, by Eckel (2001), indicates that Certified Metals Manufacturing Corporation was listed in the 1963 edition of the Standard Metals Directory as a "babbit and solder manufacturer" or "smelter of secondary lead, tin, solder, and babbit." Since November 2003, the property has been in use as a photography studio owned by Mr. Albert Lang. Ohio EPA contacted the studio on July 13, 2006. The studio confirmed having three employees.



Photograph 1. The former Certified Metals Manufacturing Corporation building at 1940 River Road, facing east.

### Soil Sample Results

In order to evaluate the direct exposure migration pathway associated with soils from the site, Ohio EPA personnel screened 11 locations on April 23, 2003. The sample locations shown on the aerial photograph in Figure 3 were chosen to bracket the approximate location of historical operations. The samples were field screened using X-ray fluorescence for arsenic (As) and lead (Pb). Samples from a depth of 0 to 6 inches below ground surface were collected and homogenized in a mixing bowl. A small aliquot of each sample was stored in a Zip-Lock bag and field screened. Screening detections are summarized in Table 1. The three highest lead screening results, samples CM-7, CM-8, and CM-11 were sent to Kemron Analytical Services for confirmation sampling. Each of the three samples was analyzed for the following eight RCRA metals: arsenic, barium, cadmium, chromium, mercury, selenium, silver, and lead (Table 2).

The lead results from all three samples exceeded the Ohio EPA, Voluntary Action Program (VAP) Generic Direct Contact Standards (GDCS) value for commercial and industrial land use (1,800 mg/kg); and construction and excavation activities (1,600 mg/kg). No other RCRA metals exceeded standards.

Table 1. X-ray Fluorescence Field Screening Detections (mg/kg)

	CM-1	CM-2	CM-3	CM-4	CM-5	CM-6	CM-7	CM-8	CM-9	CM-10	CM-11	CM-12
As				125 (29)	100 (38)	195 (41)	270 (137)	250 (73)				
Pb	999 (32)	3,984 (64.1)	152	735 (35)	1,963 (49)	1,358 (51)	26,470 (219)	7,120 (101)	748 (31)	2664 (57)	8780 (108)	25

The second value in parentheses is the standard deviation. Blank cells represent non-detected result.

Table 2. Kemron Analytical Services, Confirmation Results (mg/kg)

Ohio EPA, VAP Generic Direct Contact Standard		CM-7	CM-8	CM-10
As	80	12.2	9.4	6.42
Ba	200,000	233	166	411
Cd	770	18.6	15.9	4.12
Cr	1,000,000 (Cr III)  8,900 (Cr VI)	42.7	85.8	140
Hg	300	ND	ND	ND
Pb	see Table 3	14,500	1,820	2,120
Se	15,000	ND	ND	ND
Ag	15,000	3.08	1.76	1.48

Table 3. Ohio EPA Voluntary Action Program, generic direct-contact standards for lead (mg/kg).

	Residential	Commercial/Industrial	Construction and Excavation Activities
Pb	400	1,800	1,600



### **Migration Pathway**

Because the city of Cincinnati is reliant on treated surface water from the Ohio River as a source of potable water, no ground water ingestion pathway exists. In addition, no surface water ingestion pathway exists. All public surface water systems are located upgradient of the site. As shown on the Natural Heritage map in Appendix A, no surface water intakes are located within the HRS target distance limit of 15 downgradient stream miles. Note: the trace of the Ohio River, shown in blue, is westerly away from the site. At the same time, because the partial pressure of lead is 0 mm Hg at standard temperature, no vapor intrusion pathway exists.

Because the lead values at sample locations CM-7, CM-8, and CM-10 of 14,500, 1,820, and 2,120 mg/Kg respectively, exceed the GDCS, the potential for two lead migration pathways from the site was evaluated. These pathways are the soil ingestion pathway, and the soil direct contact pathway. The GDCS is based on a single chemical exposure resulting from ingestion of soil, dermal contact with soil and inhalation of volatile and particulate emissions from soil. Although the GDCS was exceeded, preliminary screening simulations with the software Quickscore predict no risk from either pathway due to the lack of a significant target population. Although according to the year 2000 census (Appendix A) approximately 800 people live within a quarter mile of the site, access to exposed soil at the site is prohibited by a fence. The target population at the site consists of no more than three full-time employees (interview with owners, July 13, 2006). All other RCRA metals were below standards.

### **Conclusions**

No risk from any of the eight RCRA metals sampled is associated with the site. No risk is associated with water ingestion or vapor inhalation due to the absence of a migration pathway. No exposure potential from soil ingestion or soil direct contact exposure is present due to the small target population and the inability of the target population to access on-property soil.

Figure 1. Certified Metals Manufacturing Corporation  
Former Location  
1940 River Road  
Year 2000




0 200 400 800  
Feet

Scale 1:4800

1 inch = 400 Feet

**Legend**

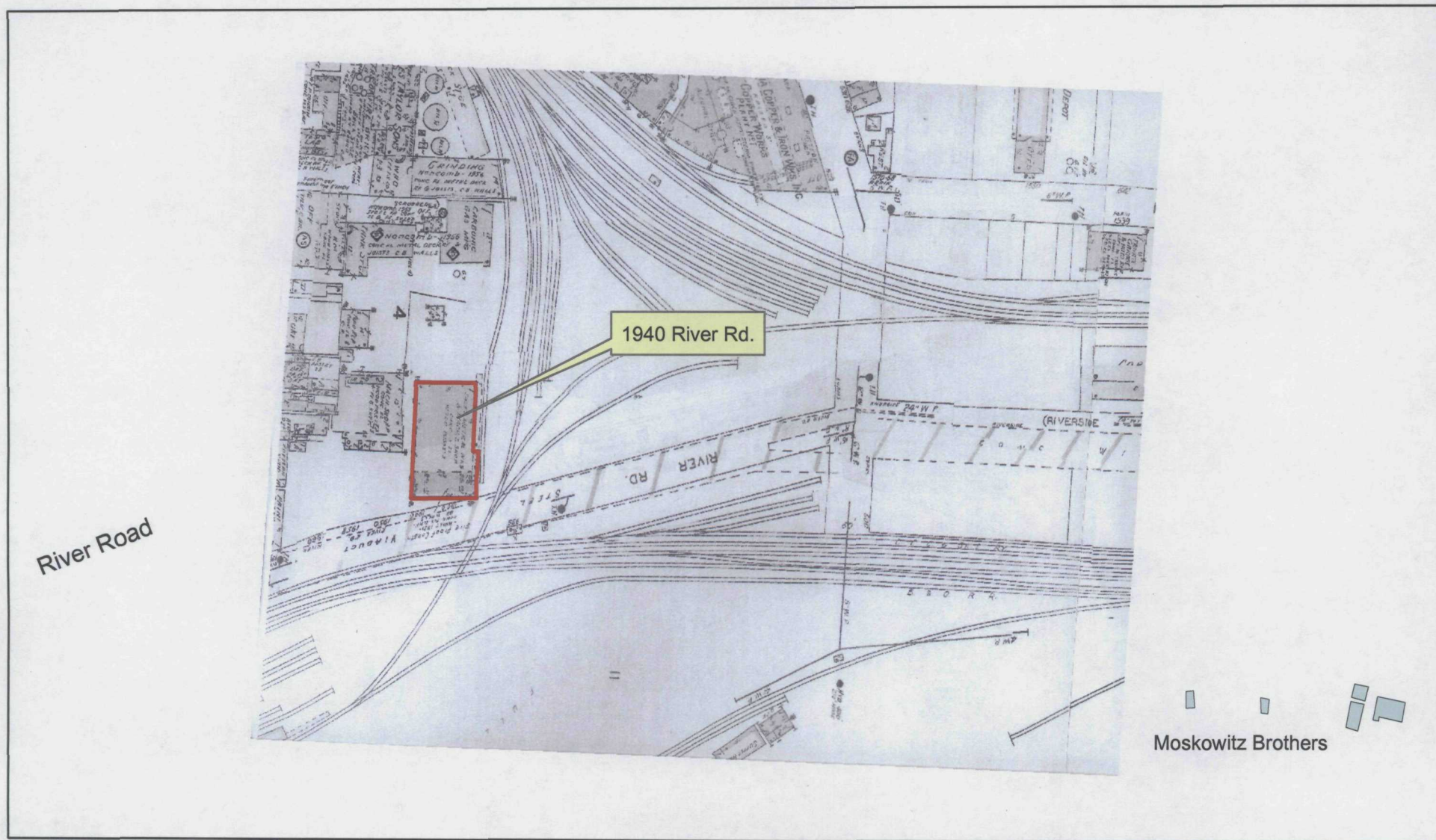
 1940 River Road, Parcel Boundary

**OhioEPA**





Figure 2. Certified Metals Manufacturers Company  
Former Location  
1940 River Road  
Sanborn Map (1937-1962)



0 150 300  
Feet

Scale 1:2400

1 inch = 200  
Feet



Approximate historical building outline  
1940 River Rd., Cincinnati  
Ref: Sanborn insurance map (1937-1962)

OhioEPA





Figure 3. Sample Locations, Certified Metals Manufacturing Corporation  
Former Location  
1940 River Road



0 50 100 200  
Feet

Scale 1:1,200

1 inch = 100 Feet

### Legend

- 1940 River Road, Parcel Boundary
- Soil Sample Locations, April 23 2003

## Appendix A

Census data. Year 2000

<b>RADIUS (Miles)</b>	<b>TOTAL</b>	<b>WHITE</b>	<b>BLACK</b>	<b>INDIAN</b>	<b>ASIAN</b>	<b>HAWAII_PAC</b>	<b>OTHER</b>	<b>HOUSING</b>
3.00 - 4.00	62,974	36,506	23,736	105	1,396	10	1,221	27,524
2.00 - 3.00	59,550	34,820	21,289	133	1,845	23	1,440	25,417
1.00 - 2.00	34,054	17,822	14,824	126	326	32	924	14,505
0.50 - 1.00	6,873	5,401	1,181	29	69	6	187	2,625
0.25 - 0.50	1,398	1,080	229	6	22	2	58	578
0.00 - 0.25	800	695	67	0	3	3	32	281
<b>TOTALS</b>	<b>165,649</b>	<b>96,324</b>	<b>61,326</b>	<b>399</b>	<b>3,661</b>	<b>76</b>	<b>3,862</b>	<b>70,930</b>



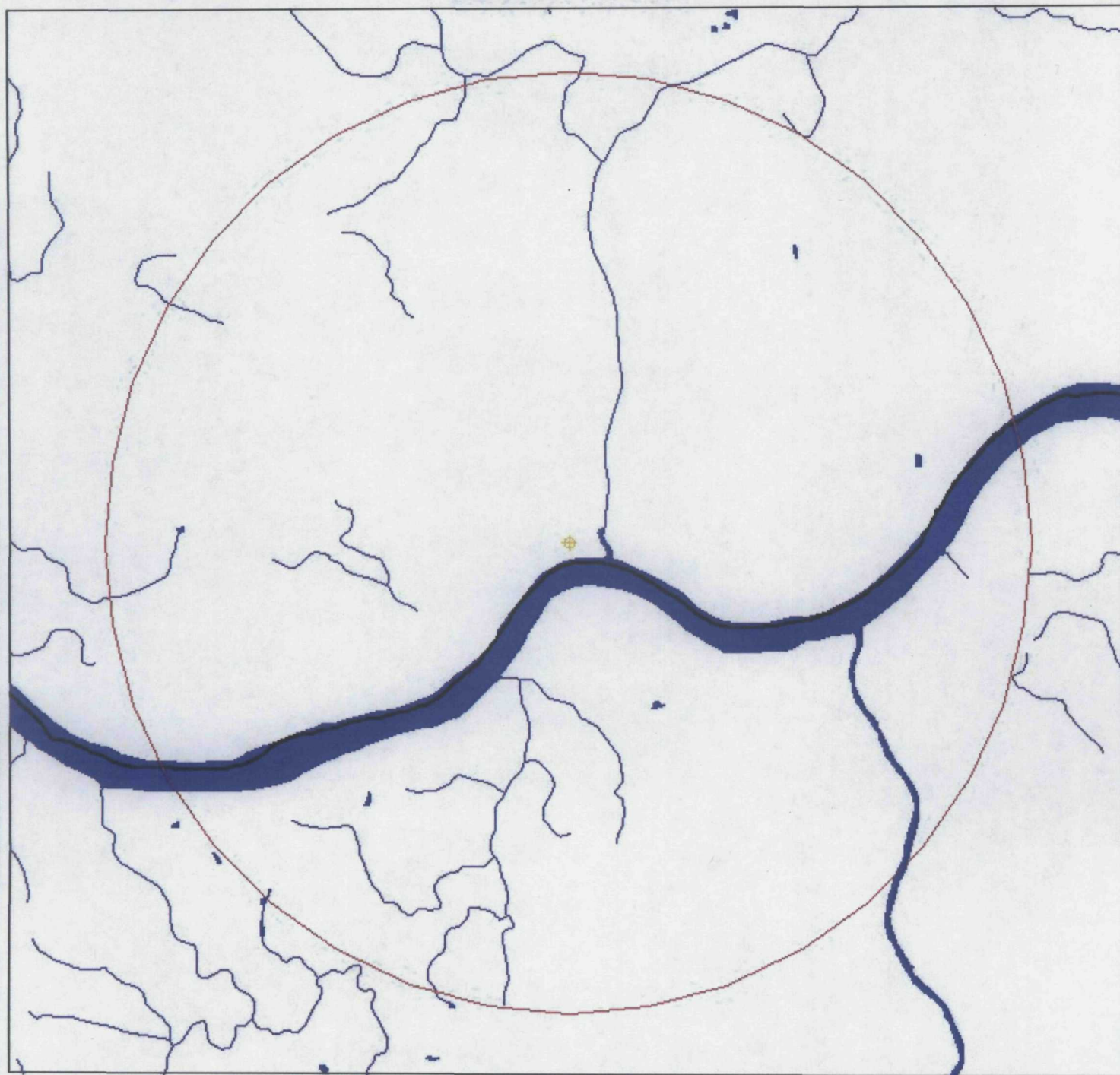


Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

PUBLIC GROUND WATER SYSTEMS

Certified Metals



Site

Public Ground Water Systems

Community

Non-Community/Transient

Non-Community/Non-Transient

Rivers & Streams

Wellhead Protection Area

Lakes & Ponds

Limit of Radius From Site

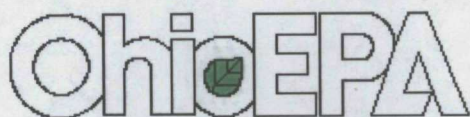
County Boundaries

1 0 1 Miles

N





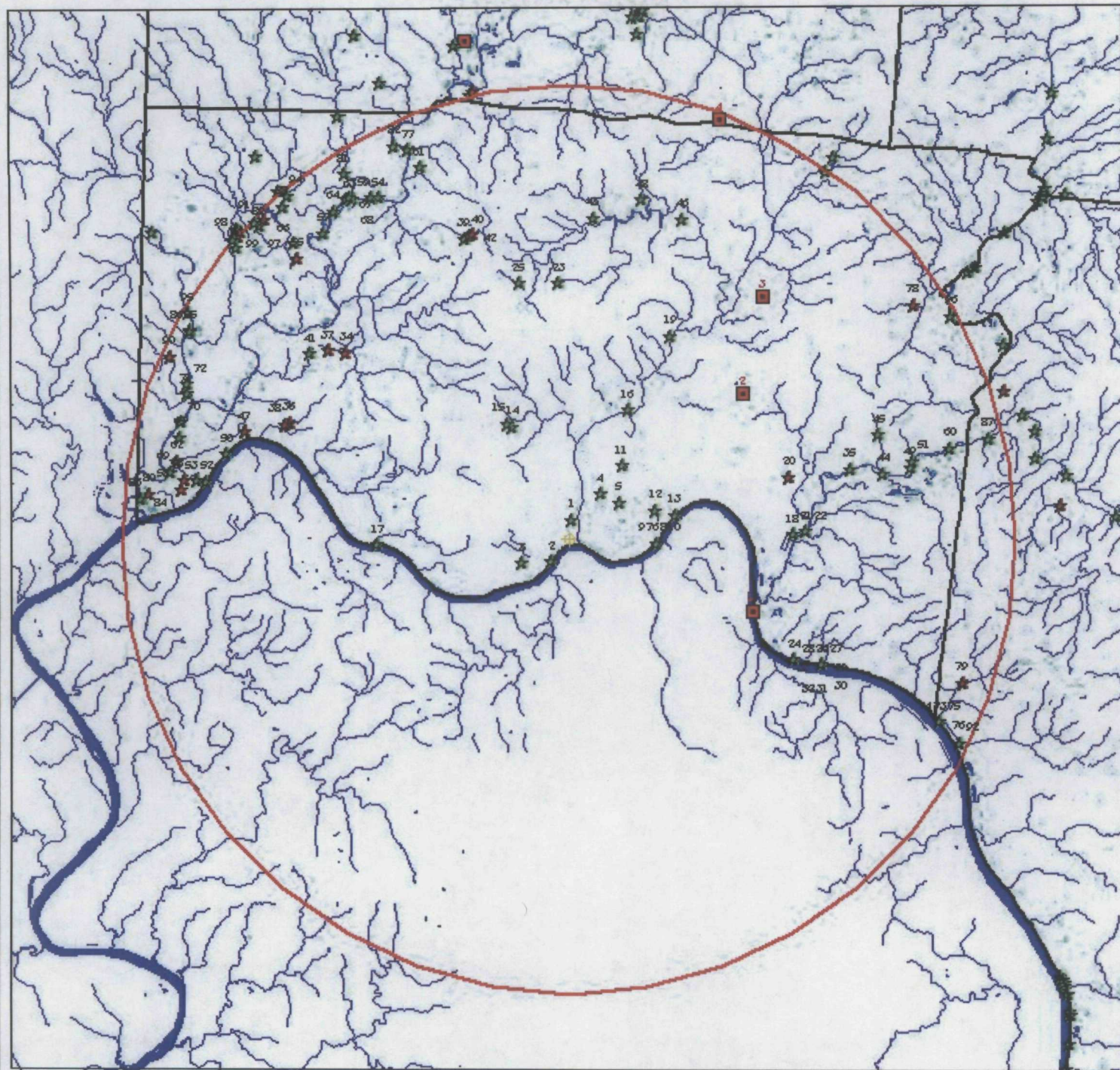


Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 15-MILE RADIUS MAP

NATURAL HERITAGE DATA

Certified Metals

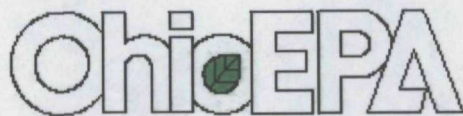


- ✦ Site
- ★ US Endangered/Threatened Species
- ★ Ohio Endangered/Threatened Species
- Public Surface Water Systems
  - Community
  - Non-Community/Transient
  - Non-Community/Non-Transient

- ▬ Rivers & Streams
- ▬ Wetland Area
- ▬ Lakes & Ponds
- ▬ Limit of Radius From Site
- ▬ County Boundaries

4 0 4 8 Miles





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GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

## Hamilton County

### Certified Metals



- Site
- School
- Hospital
- Public Surface Water Systems
- Public Ground Water Systems
- US Endangered/Threatened Species
- Ohio Endangered/Threatened Species

- Wetland Area
- Lakes & Ponds
- Wellhead Protection Area
- Limit of Radius From Site
- County Boundaries

- Rivers & Streams
- Railroad
- State and Federal Highways
- Local Roads
- Municipal Roads

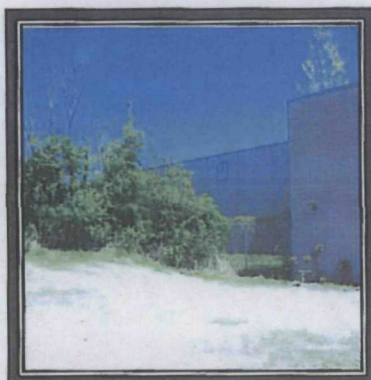


2 0 2 Miles





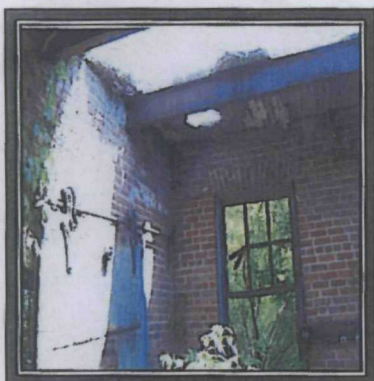
CM-6 Sample collected at the SW Wall of the main bldg.



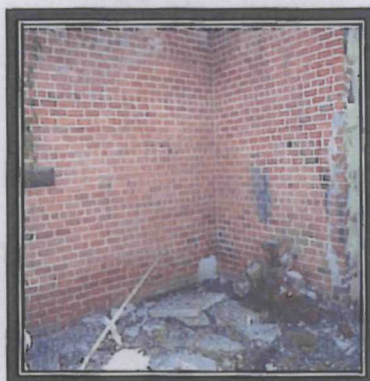
CM-3 Samples collected at the NW fence line and Wall. The Dirt Pile was to the left.



A secondary Smelter Bldg was behind this overgrown vegetation.



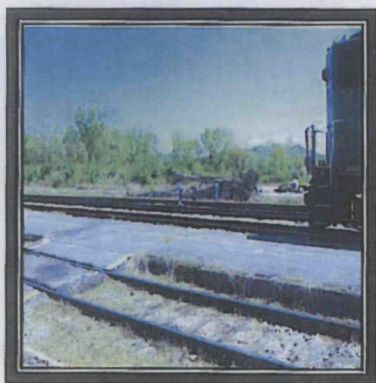
CM-4 Sample collected inside this Bldg and the front dirt pile



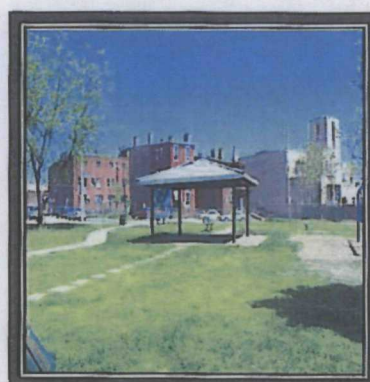
This right side view of the Secondary Bldg behind the over grown vegetation.



CM-10 Sample from left to right; was collected at Garage # 3



CM-11 Sample collected between track and State Route 50.



CM-12 Sample collected by grids in Hatmaker Park.



This is a continuous grid of Peggy Lane and Hatmaker Park.

## PRE-CERCLIS SCREENING (PCS) ASSESSMENT CHECKLIST/DECISION FORM

The checklist can be used to assist the site investigator during Pre-CERCLIS screening. This checklist should document the rationale for the decision as to whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Kelvin Jones, ESI September 23, 2003  
Name/Title Date  
4675 Homer-Ohio Lane Groveport, OH 614-836-8758  
Address Phone  
Kelvin.Jonesk@epa.state.oh.us  
E-mail Address

Site Name: Certified Metals Manufacturers Company

Previous names (if any): Certified Metals Supply

Site Location: 1940 River Road, Cincinnati, Ohio / Hamilton County  
(See attached description and maps).

Latitude: (if applicable) 39° 06-08.1 Longitude: 84° 33-00.5

### PHASE A - CERCLA Eligibility Evaluation

If the answer to any one of these is yes, the sites can be NFRAPed or Archived	YES	NO
1. Is the site non-existent, or is it not a duplicate (or "alias") of another site?	X	
2. Is the site being addressed by some other remedial program (Federal, State, or Tribal)?		X
3. Are the hazardous substances potentially released at the site excluded statutorily (e.g., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC< UMTRCA, or OSHA)?		X
4. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferred to RCRA Corrective Action, FIFRA, or Brownfields)?		X
5. Is there insufficient data (provided by the State) to verify that a release has occurred (e.g., based on potentially unreliable sources or with no information to support the presence of hazardous substances or CERCLA eligible pollutants and contaminants)?		X
6. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARS, completed removal action, previous HRS score determined, or an EPA approved risk assessment completed)?		X

## PHASE B - INITIAL SITE EVALUATION

Use Exhibit A to make site assessment decisions based on the answers below:

	YES	NO
Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?		X
Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or immediately adjacent to the site?		X
Is there an apparent release and no documented on-site targets, but there are nearby targets (e.g., targets within 1 mile)?		X
Is there indication of a hazardous substance release, and there are uncontained sources containing CERCLA hazardous substances, but there is a potential to release with targets present on-site or in proximity to the site?		X
Documented onsite or nearby targets? <i>9/2, p.4 says an elementary school is within 250'</i>	X	X
Uncontained sources containing CERCLA eligible substances are present on site.		X
There are releases or potential to release.	X	X

Please explain all yes answer(s). See Attached Narrative

### EPA Regional Review and Site Assessment Decision

Check the box(es) that apply:

- ☐ NFRAP/Archive DO NOT ENTER INTO CERCLIS, NOT A VALID SITE OR INCIDENT.
- ☐ APA
- ☐ Full PA
- ☐ Combined PA/SI
- ☐ SI

Defer/Refer to:

- ☐ Removal Program
- ☐ State/Tribal Program
- ☐ RCRA
- ☐ Brownfields
- ☐ Other: \_\_\_\_\_

Regional EPA Reviewer:

*Erica Islas Erica Islas*  
Print Name/Signature

*8/25/06*

*Date note made in CERCLIS that this was original PCS Ecl*

## Introduction

In the spring of 2001, the *American Public Health Journal* published a report on former lead smelting facilities that are potentially contaminated with high levels of lead. The study, which was conducted by a doctoral candidate and a USEPA employee, cited 430 former lead smelting facilities in 35 states that are unknown to federal and state authorities. Of the sites listed, 17 are located in Ohio. This PCS focuses on one of these sites, Certified Metals Manufacturers Company.

High levels of Lead Contamination are a major problem for the City of Cincinnati and its surrounding cities. Lead Contamination reaches as far as North to Hamilton, Ohio and south to the Cincinnati /Kentucky borders and the Ohio River. There are more than 27 zip codes in the Cincinnati area. The City of Cincinnati uses the zip codes to mark high Lead areas. Currently, the City of Cincinnati is conducting a Lead Soil Abatement Project. This study includes cities like Boston, Baltimore, Cleveland, and Cincinnati Lead soil contamination. In certain areas in the City of Cincinnati, results showed high Lead contamination which has made the Ohio Department of Health (ODH) and the Cincinnati Health Department test the children for high lead levels. The University of Cincinnati is currently doing studies on Lead in particular neighborhoods in Cincinnati.

How  
is this  
LB point  
connected  
to PVC.  
releases  
from smelters?

how so? Lead-based paint?

## Site Description

The former Certified Metals Manufacturers Company was located at 1940 River Road in Cincinnati Ohio. The 0.127 acres lot when in operation was owned by the Bloomberg Brothers. It is surrounded by a cascade of businesses buildings that are also medium and light manufacturing. At the west end of the property, is a second skeletal building structure that is covered by over grown vegetation. Figure 1, the Site location Map.

## Site History

The Certified Metals Manufacturers site first appeared in 1956 as Certified Materials Supply. In 1958, Certified had another name change, they became Certified Metals Manufacturers Corporation. CMMC they produced various metal products, but particularly Lead Ingots and Babbitts piping for the plumbing industry. They operated their smelting operation through 1988. The Bloomberg Brothers sold the property to JCV Properties LLC in 1993. The property was then sold to Meyer Vogelpohl Inc. that presently operates a storage warehouse for Church Goods and Religious Arts. The River Rd. property first appeared on the Sanborn Fire Insurance Maps in 1940 as Miami Trans. Corporations. This site location map can be seen on Figure 1.



On January 3, 2003, the Ohio EPA field staff conducted site reconnaissances at the 1940 River Road property. April 23, 2003, Ohio EPA field staff conducted, a second reconnaissance, whereby an interview with the property owner was conducted and twelve (12) X-Ray Fluorescence XRF soil screening samples were taken.

## Pathways & Targets

### Soil Pathway

The method for collecting the soil samples, were collected by using dedicated stainless steel materials (spoons, pans, and plastic bags) for each sample location. Samples were collected from the zero through to six inches of soil into a 11-inch stainless steel mixing bowl. When grass was present, the Sampler pulled back the immediate top layer of sod and shook the loose soil from that section. The Sampler collected the top three-inch soil into the mixing bowl. The soil was homogenized in our mixing bowl and then packed away into a labeled "Zip-Lock" plastic bag.

Twelve (12) soil screening samples were taken on and around the 1940 River Road property. Within 250 feet of the potential contaminated source, included a Community Center, Church, Residential Park and Homes, and Elementary School. The screening instruments used to verify the presence of Lead contamination was the Ohio EPA's X-Ray Fluorescence (XRF) screener. The Chief XRF operator took an aliquot of soil from each sample to verify if any Lead were present. If so, these samples were to be sent to Kemron Laboratory for confirmation. At Kemron, the soil samples will under analysis for 8 RCRA's metals. The (RCRA) acronym means, Resource Recovery Reclamation Act. The "eight (8) RCRA metals" are, arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. ? Not!

Twelve (12) soil samples were taken Inside and Outside the 1940 River Road property on April 23, 2003. They are abbreviated as CM-1 thru CM-12. The initial's abbreviation stands for Certified Metals (CM). CM-1; Foundry Sand, it was taken inside the main building at the southeast corner of Pillar One of the main warehouse. CM-2; Foundry Sand, sample was taken inside the old furnace room of the main warehouse. CM-3; Sandy Clay was collected at the northwest corner of the fence line, bordered by another brick building which also was a Medium Manufacturer. CM-4; Sandy Clay was collected in the northwest corner of the Dirt Pile (a mound). CM-5; Sandy Clay was collected on the Back of the Building south side. CM-6; a grab/composite of Sandy Clay, was taken along the Southwest wall outside the main building. CM-7; Sandy Clay, was collected at the northeast corner of the main gate. CM-8; Sand was taken at the eastside of the main Buildings loading dock area. CM-9; Sandy Clay was taken underneath the billboard sign and the main building smoke stack. CM-10; Foundry Sand was taken at door # Three of the overhead doors on the southeast side of River ?

Let's make a Deal ?

Road. CM-11; Sand was in between the B&ORR tracks and State Route 50. CM-12; Sandy Clay was taken from Peggy Land & Hatmaker Park. See Tables (1&2) for XRF Screening results.

#### Sediment Pathway

The pathway for Sediment was not addressed as an issue of concern. Therefore, no Sediment Samples were collected.

#### Surface Water Pathway

The pathway for Surface Water was not addressed as an issue of concern. Therefore, no Surface Water Samples were collected.

#### Ground Water Pathway

The pathway for Ground Water was not addressed as an issue of concern. Therefore, no Ground Water Samples were collected

#### Air Pathway

The pathway for Air, dust particles are being addressed through the Soil Samples Collection. Therefore, no Air Samples were collected.

*you could tell this  
just by sampling this site*

#### Conclusions

Lead contamination exists throughout the City of Cincinnati. The former Certified Metals Manufacturers Corporation, located at 1940 River Road was identified as a Lead Smelter operator. Based on the William Eckel's doctorate dissertation and research, the City of Cincinnati Lead Abatement Study, and the investigation conducted by Ohio EPA's Site Investigations Field Staff. The information gathered by the Ohio EPA Field staff, found the site smelting facility no longer exist. From 1958 through 1988, the 1940 River Road property operated as a Lead smelting operation. The property is now owned by the Church Goods and Religious Arts of Cincinnati. The XRF screening and

*very disjointed*

Kemron confirmation did have some samples that showed Lead contamination.  
In light of these aforementioned facts, further site investigation is necessary.

LIST OF  
FIGURES, TABLES and ATTACHMENTS

Figure One Site location Map

Figure Two Sample location Map

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Table One Field Screening Sampling Results – Soil – XRF Metals

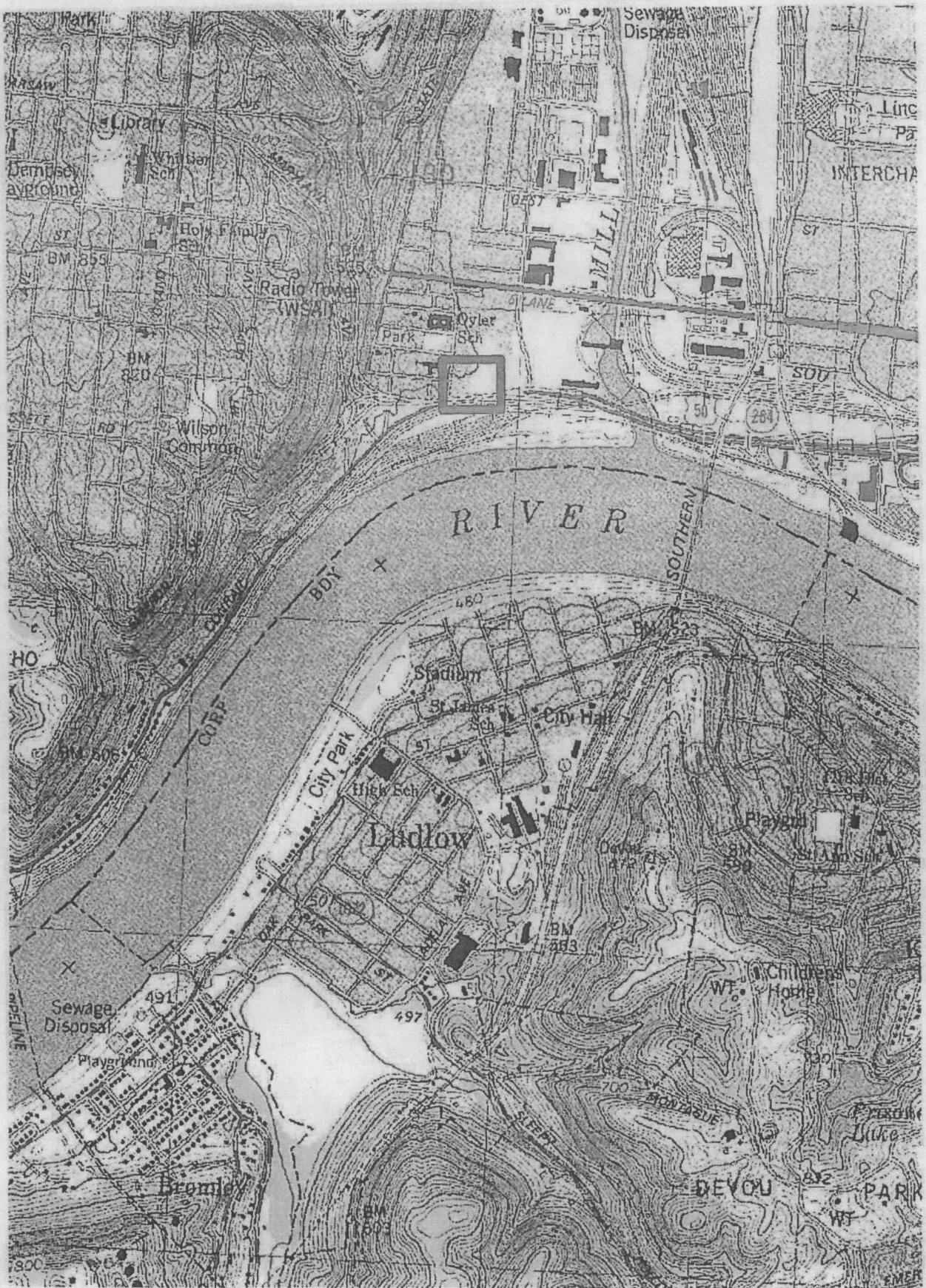
Table Two Kemron Laboratory Results – Soil – Confirmation

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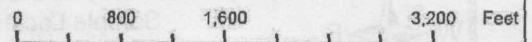
Attachment One Photo Log

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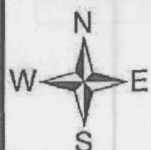
References



Certified Metals Manufacturers Corporation  
 Site Location Map  
 Figure 1







Certified Metals Manufacturers Corporation  
Sample Location Map  
Figure 2

0 115 230 460 Feet

*where's the facility?*

Table One

**Certified Metals Manufacturers Corporation  
 XRF Field Soil Screening Data for Metals**

*What are these numbers?*

XRF ANALYTE		arsenic As	barium Ba	cadmium Cd	chromium Cr	mercury Hg	lead Pb	selenium Se	silver Ag
Sampling Date	April 23, 2003	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg
Site Name / location	CM-1 Inside Bldg	-----	-----	-----	-----	-----	999/32	-----	-----
Site Name / location	CM-2 Inside Bldg	-----	-----	-----	-----	-----	3984/64.1	-----	-----
Site Name / location	CM-3 NW fence line	-----	-----	-----	-----	-----	152	-----	-----
Site Name / location	CM-4 NW dirt pile or mound	125/29	-----	-----	-----	-----	735/35	-----	-----
Site Name / location	CM-5 South's side of main Bldg	100/38	-----	-----	-----	-----	1963/49	-----	-----
Site Name / location	CM-6 SW wall of main Bldg	195/41	-----	-----	-----	-----	1358/51	-----	-----
* Site Name / location	CM-7 NE corner of main gate	270/137	-----	-----	-----	-----	26470/219	-----	-----
* Site Name / location	CM-8 Eastside loading dock	250/73	-----	-----	-----	-----	7120/101	-----	-----
	CM-9 Smoke Stack	-----	-----	-----	-----	-----	748/31	-----	-----
* Site Name / location	CM-10 Garage door # 3	-----	-----	-----	-----	-----	2664/57	-----	-----
	CM-11 B&ORR and SR - 50	-----	-----	-----	-----	-----	8780/108	-----	-----

Site Name / location	CM-12 Peggy Lane & Hatmaker Park	-----	-----	-----	-----	-----	25	-----	-----
----------------------	----------------------------------	-------	-------	-------	-------	-------	----	-------	-------

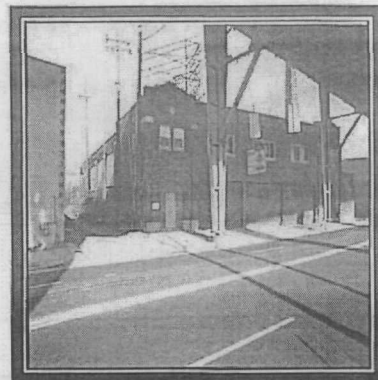
Table Two

**Certified Metals Manufacturers Corporation  
 Lead Confirmation  
 Kemron Analytical Data for Soil Metals**

XRF ANALYTE		arsenic As	barium Ba	cadmium Cd	chromium Cr	mercury Hg	lead Pb	selenium Se	silver Ag
Sampling Date	April 23, 2003	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg
Site Name / location	CM-7 NE corner of main gate	12.2	233	18.6	42.7	-----	14500	-----	3.08
Site Name / location	CM-8 Eastside loading dock	9.4	166	15.9	85.8	-----	1820	-----	1.76
Site Name / location	CM-10 Garage door # 3	6.42	411	4.12	140	-----	2120	-----	1.48

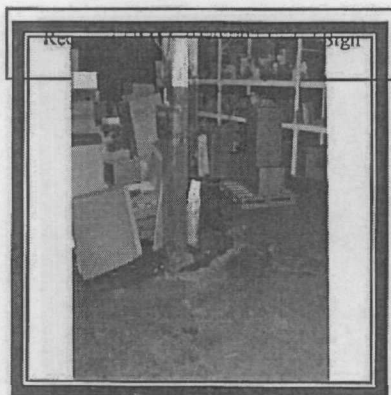
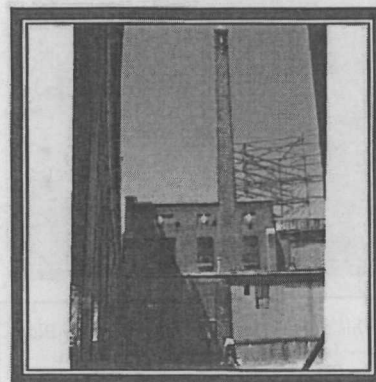
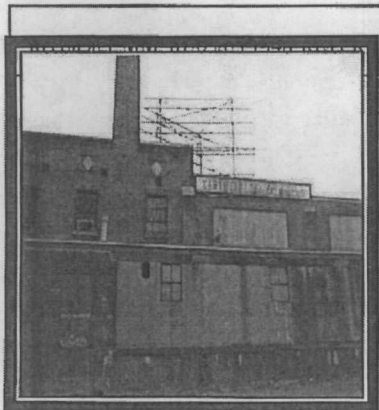
*Are other sample locations non detect?*

Attachment One  
Certified Metals Manufacturers Corporation  
Phot  
Log



Recon at CMM 01/03/03 1940 River Rd

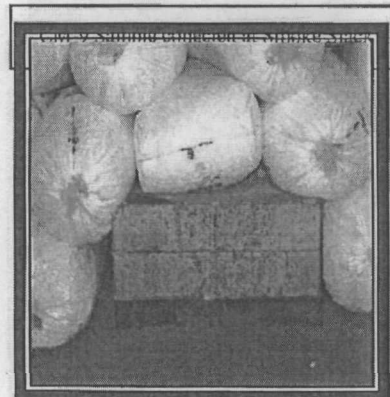
Recon at CMM 01/03/03 1940 River Rd



CM-1 Sample Collected in Main Bldg



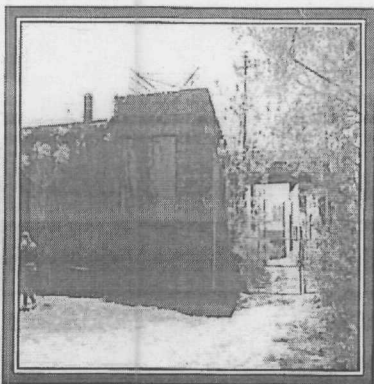
CM-1 at Southeast Corner of Pilar



CM-2 Collected in Furnace Room

what was collected? Dust off of the floor?

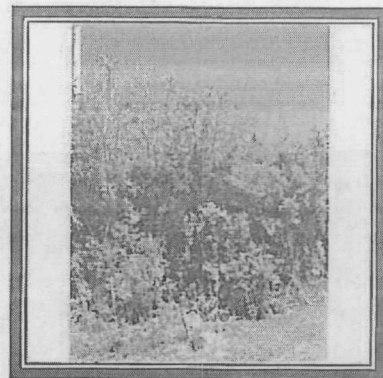




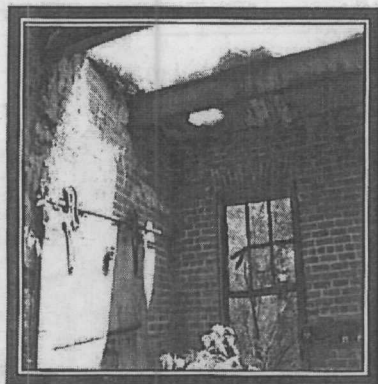
CM-6 Sample collected at the SW Wall of the main bldg.



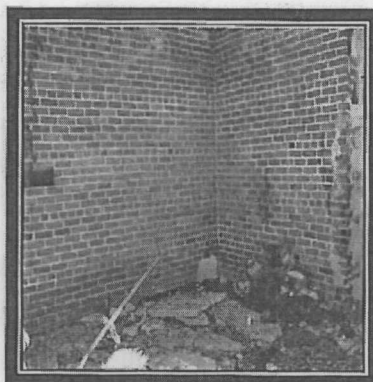
CM-3 Samples collected at the NW fence line and Wall. The Dirt Pile was to the left.



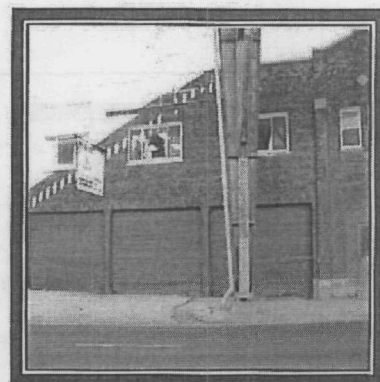
A secondary Smelter Bldg was behind this overgrown vegetation.



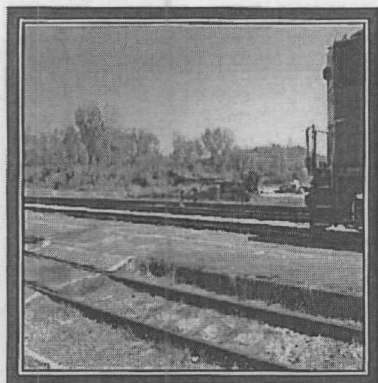
CM-4 Sample collected inside this Bldg and the front dirt pile



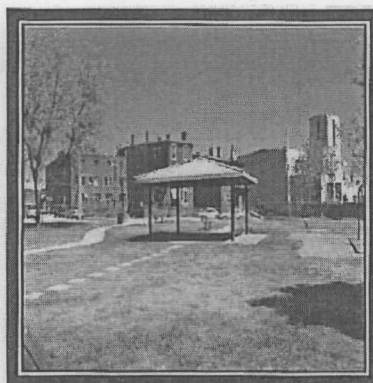
This right side view of the Secondary Bldg behind the over grown vegetation.



CM-10 Sample from left to right; was collected at Garage # 3



CM-11 Sample collected between track and State Route 50.



CM-12 Sample collected by grids in Hatmaker Park.



This is a continuous grid of Peggy Lane and Hatmaker Park.

what is 6?

## REFERENCES

**APHJ, 2001:** Journal article entitled "Discovering Unrecognized Lead-Smelting Sites by Historical Methods"; written by William P. Eckel, Michael B. Rabinowitz & Gregory D. Foster; 91:625-627' published in the American Public Health Journal in April of 2001 edition; Washington, D.C.

**Eckel, 2001:** Doctoral dissertation by William P. Eckel; completed in the Summer Semester of 2001; College of Arts & Sciences at George Mason University; Washington, D.C.

**Eckel, 2001:** Historic site information provided William P. Eckel from: Metal Smelters & Refiners section of Standard Metal Directory (SMD) directories for 1931, 1904, 1946, 1950 & 1963; Metal Statistics (MS), an annual publication (1937 - 1969) of The American Metal Market Company, published by Diversified Publishing of New York City, NY; and , the Year Book of the American Bureau of Metal Statistics (and later the Non-Ferrous Metals Data) [ABMS] from the American Bureau of Metal Statistics Inc., 1945-1973, of New York City, NY

**Eckel, 2003:** Information directory from William "Bill" Eckel; Telephone conversation, mail and/or E-mail between Wendy Vorwerk and/or Edward Link of the Ohio EPA; Mr. Eckel's phone # is (703 305-6451) is currently employed by the USEPA in the Environmental Fate and Effects Division of the Office of Pesticide Programs Located on Washington, D.C.

**Mapquest, 2002:** Online mapping, Color Air Photos and Yellow Pages taken off the Mapquest Internet site, <http://www.mapquest.com>, Mapquest, a wholly owned subsidiary of America Online, Inc. and based in Denver, CO and Mountville, PA; GlobeXplorer™ Color Air Photos of Cincinnati, Ohio dated June 2002.

**ODH, 2002:** Ohio Department of Health; Bureau of Environmental Health; Health Assessment Section; Lexington Manor Site - *what document is being referenced here?*

**ODH, 2002:** Ohio Department of Health; Ohio Childhood Lead Poisoning Prevention Program; <http://www.odh.state.oh.us> Lead and Eating Healthy; Lead Can Harm Children; and Children's Lead Levels

**ATSDR, 1997:** Agency for Toxic Substances and Disease Registry (ATSDR). 1997 Toxicological profile for lead.

**Hamilton County General Health District;** Ohio Lead Awareness Week July 15-21, 2002 The Mission is Possible: Lead-Safe Kids Hamilton County, Ohio GMT

[http://www.hamilton-co.org/boh/press%20releases/press\\_...](http://www.hamilton-co.org/boh/press%20releases/press_...)

**Hamilton County General Health District;** Lead Screenings; Did you know that lead poisoning is invisible and 100% preventable? Have your children tested for lead, even if they seem healthy? December 1992 GMT <http://www.hamilton-co.org/boh/nursing.htm>

**Hamilton County General Health District;** The Lead abatement grant will provide \$350,000 to all involved parties and will give older communities in the County an opportunity to detect possible lead problem in homes that have children under six living in them. January 2002 GMT [http://www.hamilton-co.org/boh/minutes/feb\\_01.htm](http://www.hamilton-co.org/boh/minutes/feb_01.htm)

**Hamilton County General Health District;** The Hamilton County General Health District is working to prevent lead poisonings by providing lead screenings for county residents at the Health District. April 2002 GMT [http://www.hamilton-co.org/boh/press%20releases/press\\_...](http://www.hamilton-co.org/boh/press%20releases/press_...)

**Hamilton County General Health District;** Short term exposure can lead to nausea, shortness of breath, severe headaches, and fatigue. August 2002 GMT [http://www.hamilton-co.org/boh/press%20releases/press\\_...](http://www.hamilton-co.org/boh/press%20releases/press_...)

**Sanborn, various years:** Sanborn Fire Insurance Maps from the Sanborn Map Company from various years from 1886 through 1960; attained from the On-line Research Databases of the Ohio Public Library at the Ohio Historical Society; Columbus, Ohio 2002-03. [Http://www.oplin.lib.oh.us/products/SanbornMaps/index.cfm](http://www.oplin.lib.oh.us/products/SanbornMaps/index.cfm)

**SMD, 1963:** Metal Smelters & Refiners Section, Babbitt & Solder Manufacturers section, Scrap Iron & Metal Dealers section of Standard Metals Directory (SMD) directory 1963; New York City, NY; attained from the main Library at the Ohio State University in Columbus, Ohio.

**USEPA:** Guidance for Performing Preliminary Assessments Under CERCLA; Washington, D.C., September 1991.

**USEPA:** Hazardous Ranking System Guidance Manual; Washington, D.C., November 1992.

**Ohio EPA-DERR, 2003:** site reconnaissance in January 2003; Division of Emergency & Remedial Response (DERR) at the Central Office in Columbus, Ohio



State of Ohio Environmental Protection Agency

**STREET ADDRESS:**

Lazarus Government Center  
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Columbus, OH 43215

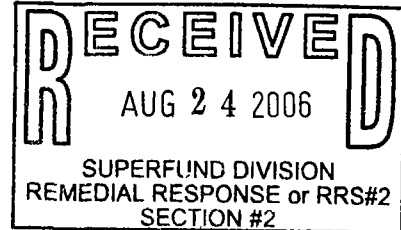
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www.epa.state.oh.us

**MAILING ADDRESS:**

P.O. Box 1049  
Columbus, OH 43216-1049

August 21, 2006

Erica Islas  
U.S. EPA Region 5  
77 West Jackson Boulevard (SE-6J)  
Chicago, IL 60604-3507



Dear Erica,

Please find enclosed hard copies of the final reports for the following site assessments:

- Certified Metals Manufacturing Company PCS
- G. A. Avril Company PCS

When you have signed the PCS reports and signature pages, please fax them to me at (614) 644-3146 for our records.

Thank you for taking the time to review these documents.

Sincerely,

Jessica Page  
Site Assessment & Brownfield Remediation Program  
Division of Emergency & Remedial Response

cc: Matt Justice, Ohio EPA, DERR-SWDO



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Date: 8/25/06

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Message: Attached are the signature pages for G.A. Avila Company & Certified Metals Manufacturing Company. I'm also enclosing a signature page for the 2003 PCS for Certified Metals because it was just now entered into CERCLIS. Thank you for your assistance.

Signature: Erica Islas